

# **LO LHE INLERNEL** FROM THE STONE

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Teacher Notes

~ StandFor Projects

### Arts & Languages

### **History & Humanities**

### Science

Editorial coordinator

Language advisor

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MISTO FSC\* C116971





# **#EXPLORING THE TOPIC**

Look at the title of the infographic you're about to read and then write down the first words and sentences that come to mind. Don't think about it too much!

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Before skimming the text to identify the main ideas in the infographic, complete the first and second lines in the K-W-L chart.

essent had recently by through the sections of the integrating white directly rendered we specify, and try to pues the lower

Remember: throughout the unit, you can review your K-W-L chart by adding what you learn to column 3: "I learned."

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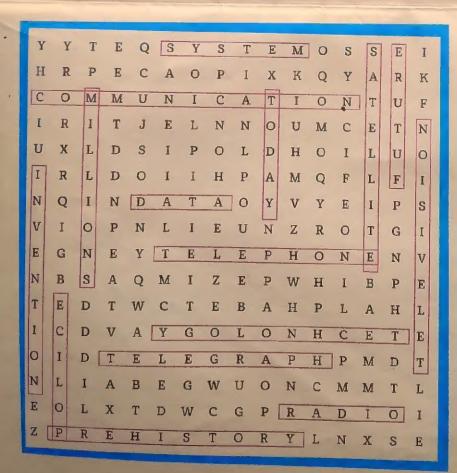
Find in the word search puzzle:

a) six cognate words were commented and a dilar mice, technilar

b) one false cognate

c) three time words (past, present and future) prehistory today future.

d) five means of communication radio, satellite, telegraph, tolephone, television





Skimming is a strategy for getting better comprehension by looking for the main ideas and key words in a text. When skimming, you don't read every word.

# My glossary

Help students complete the My glossary box with new or official weeks taken from the integraphic. From small group and tak each one to decuse the measuring of the selected words and then write portenous using those words. You can make the pre-reading more the by ptyring to, the foreign more the by ptyring to, the foreign previous activities, and write memorial board. Draw a ord on the board and start the game by saking doch group the meaning of one of the words. When a group answers correctly, it can choose a square to make a cross or a naught. If the preview is wrong, another group can answer. Repeat until one group was the game or the spaces on the grid are full, in this case, more's no wrong.

### El-Edit Leokymat

31 Kr 2. C-1043-C	
know about this topic	
want to know	
learned	

# From the stone to the Internet

The development of communication began slowly

Mankind took a while to evolve its means of communication. Before the invention of writing, we spent millions of years using just gestures and sounds. Even speech developed gradually: it began to emerge when cave paintings already existed.

On the other hand, everything began to get faster. We could exchange knowledge through conversation, especially on mythological and religious topics. Writing soon appeared as a way to record sounds. In the 8th century B.C., the Greek poems The Iliad and The Odyssey were written from stories passed down orally.

After written language, we began using technology to communicate. In less than a lifetime we've learned how to broadcast a message to millions of people through radio and television. Combined with home phones, cell phones and the Internet, we have a bright future. Fred Linardi

2900 B.C FLYING AT HIGH SPEED

One enduring form of sending information came into use: messages delivered by carrier pigeons. Their oldest recorded use dates from Egyptian Pharaoh Ramses II, but up until 2002 these birds were still used by Indian police.

# **EVOLUTION OVER WRITING** After the alphabet, everything got faster



# 3800 B.C. CAVE DRAWINGS

While people back then didn't know how to speak the way we do today, they could make cave drawings using pigments of clay, hematite, and charcoal. The purpose of the paintings isn't clear, but certainly they shared knowledge.



# 3200 B.C. FIRST LETTERS

The Sumerians created graphic representations using figures that represented objects from their daily life. With the systematization of this type of drawing, the Phoenicians also developed writing. Prehistory was over, and communication began to evolve much quicker.



## 3000 B.C. FIRE TELEGRAPH

The smoke signal arrived as a way of long-distance communication. First used by North American natives, this method laid the groundwork for the telegraph: a blanket was used to produce puffs of smoke which were released in regular sets.

@3

@ 9



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1929

IMAGES IN THE ROOM Russian scientist Vladimir

Zworykin (1889-1982) showed off the iconoscope, the precursor to the television. Several subsequent developments of Zworykin's invention would lead to the industrialization and spreading of TV, whose progress accelerated after 1945

@9



1960 SPECIAL BALLOON

Launched by the United States, the first communications satellite reflected signs sent from Earth. Named Echo I, it was a giant balloon stretching 30 meters across that could be seen from the ground with the naked eye.



@ 7

1994 EVERYBODY IS ONLINE

The Internet began in the 1950s as a computer communications system used primarily by the American military. Public Internet access began in 1989, and the World Wide Web medium was introduced a year later. By 1995 the Internet had 16 million users, rising to about three billion today.

(c) 3

@ 6

# GUIDED READING

1. The integraphs is about the history of one and written communication consistence. There is a treatment of warrant this approximants in the ways humans convenienceder, which shows that devolutioned happen showly but specific any significantly offer the invention of the agriculture. The property of the property of the property of the property of the invention of the agriculture in the property of the invention of the invent

### The title

Start reading by the title of the infographic; observe that it is possible to infer the subject to be discussed by doing it.

What subject is it about?

# Speech and writing

The development of spoken language and its transition to written language came through the use of signs that correspond to the sound of our voice.

 Which invention significantly sped up human communication techniques?

2. The indigraphic shawe that bousands of years app, people were looking for the medics to communicate through language, and that the investion of writing above them to starte knowledge and ceiture from generation by combining sounds, lives syllables, words, preside and lettis, using language in its best possible way.

# From the stone to the Internet

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# . 3 Dotted line

To connect the texts to the images and their relation to the timeline illustration, this infographic uses dotted lines. These lines conduct the sequential reading of the information, helping give the timeline a sensation of movement and evolution.

- · Which other item is commonly used for the same purpose?
- · In your opinion, why did this infographic choose these dotted lines?

3. In general, arrows are used to point to the relation between the texts and their corresponding images. Students are expected to understand that the dotted lines are flighter for the infographic making the relation between the texts and images book subtle and delectant, if arrows had been used instead of dotted lines, the layout would have looked quite heavy.

# 3800 B.C. CAVE DRAWINGS

EVOLUTION OVER WRITING







## 4 The history

The Sumerians created a complete system of writing which used clay tablets with pictographic symbols.

 What is the importance of written records to human history?

Think about how spoken language and witting are fundamental to human history and how this must take into consideration that language must be recorded. This lober public demonstrates some of the many ways that humans discovered for sending messages, and that the language in which these messages are transmitted depends on widespread acceptance.

5. The symbol © (a circled papital letter c) represents "copyright" (at copy or private property) workwise. Explain that this symbol was inclined recently to keyboards and comparer systems.

The Information creatior probably chose the symbol and number baside rach image in order not be repeat this information on the photographs one by one. Tell subtents that as well as the photos, the illustration was credited (in this case, Marcellaza) for the art that flows horizontally along the information.

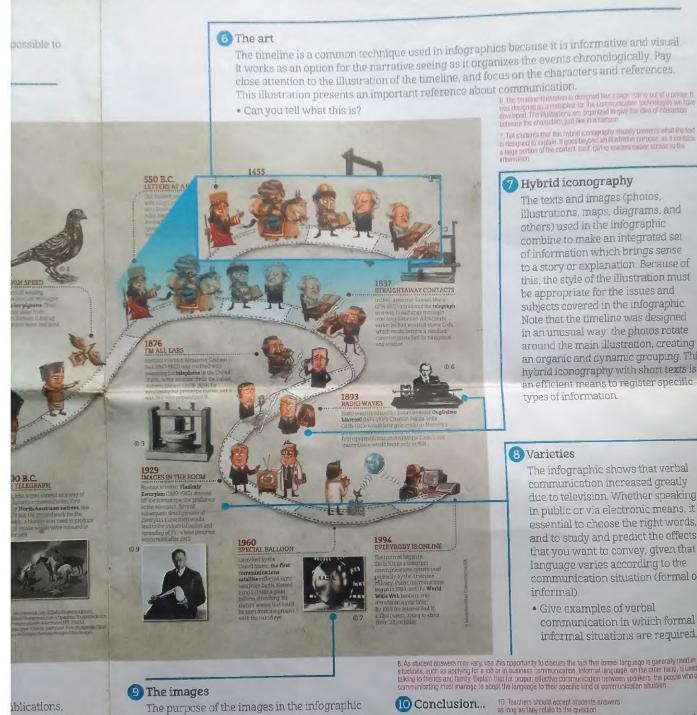
# 6 Credits

Photography credits are mandatory in all publications. under copyright law. For this infographic, a symbol and a number were chosen, as a code to identify the owner of each image.

- Which symbol is this?
- Do you know what it means?
- Why was this information given this way?

# 9 The ir

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The texts and images (photos, illustrations, maps, diagrams, and others) used in the infographic combine to make an integrated set of information which brings sense to a story or explanation. Because of this, the style of the illustration must be appropriate for the issues and subjects covered in the infographic. Note that the timeline was designed in an unusual way, the photos rotate around the main illustration, creating an organic and dynamic grouping. This hybrid iconography with short texts is an efficient means to register specific types of information.

The infographic shows that verbal communication increased greatly due to television. Whether speaking in public or via electronic means, it is essential to choose the right words, and to study and predict the effects that you want to convey, given that language varies according to the communication situation (formal or

· Give examples of verbal communication in which formal and informal situations are required.

8. As student enswers may vary, use this opportunity to discuss the fact that formal language is generally used in specific situations, such as applying for a job or in business communication. Informal language, on the other hand, is used when talking to friends and family. Explain that for proper, effective communication between speakers, the people who are communicating must manage to adapt the language to their specific kind of communication situation.

You've noticed that to understand and write texts, during the school cycles, it is necessary to think of the format and content.

 In your opinion, which objects and tools created and used by man have been the most useful for the development of communication between people?

The images presented are rich in information and help illustrate the content, which may pique students' interest for additional knowledge. You can explain, for example, that some of the space probes taunched by NASA, such as Poneer 10 and 11 and Voyager 1 and 2, contain human language ecords, as well as movies and songs, in the event that if one day they are found by an extraterrestrial chilization those beings could learn about the robbs' creators. This information may be useful, for example, in a discussion on how these messages might be read by other civilizations.

is not to "decorate" the page. In fact, they have

help with comprehension. Readers must try to

understand the meaning of the images in the

infographic context.

the same purpose as the text: to inform and

symbol and

the owner

# **#POST READING**

We have learned how human communication has developed - from the stone to the Internet. When we think about the Internet, for example, sometimes we have problems in communicating by using cell phones: there is no signal or the wi-fi network is too slow.

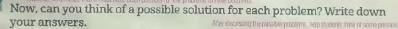


How about the communication tools invented before the Internet or radio and television? What were the possible problems people might have had when using these tools? Can you spot these situations? Work in pairs to discuss. Then write your suggestions.

What kind of problems these communication methods would have:

- a) cave drawings? Personal answer.
- b) telegraph? Personal answer
- c) sumerian writing? Personal passes
- d) carrier pigeons? Parsonal answer
- e) letters on horseback? Personal answer.

as are ask from to read the integraphic on communication tools once more. The goal is to make them time, about mans of each particular when these communication tools were used. Give from some time to think and make communication tools were used. Give from some time to think and make communication tools were used. Give from some time to think and make communication tools were used.



- a) cave drawings \_
- b) telegraph Personal answer
- c) sumerian writing Personal answer.
- d) carrier pigeons Personal answer
- e) letters on horseback Parsonal answer | 10 point out the cleas in the integraphic that led them in their conclusions

solutions people might have had for these problems. Ask students to grou plausible solutions: Organiza them in a rigide so they classification and with the outro class if time allows task students to present sherides visually, porhaps with a poster. Tell them to choose one communication activity by letting them vote for the best solution. As a post-leading activity,

make students think about how they reached their conclusions. Try the "food for thought" activity. Explain the meaning of "lood for thought" (an Engish expression for a moment of religition, something to think about. Tell students

Use the information given to write the name of a communication tool. Don't cheat! Just use your memory to answer the questions!

a) Created for military purposes in the mid-20th century.

Suggested answer The Internet

b) One person created the prototype, but someone else popularized it.

Suggested answer. The elephone

c) This important code was used for navigation and aviation.

Suggested answer: Norse code.

d) The Chinese were the first to use it.

Suggested answer Printing

e) The ancient Persians used it. In fact, they created it.

Suggested answer. The mail (letters on horseback),

f) Fire! Fire!

Use this acrosy — Worthplay — to challenge students to remember some communication look. Give them time to while down the names of the communication took for example, 60 seconds. The winner is the student who remembers the words correctly.



# RESEARCH TIME

Think about this expression:

Who doesn't communicate, gets into trouble!"

- Chacrinha, TV host (1917-1988)

What does this expression mean to you?

the state of the s

Communication implies transmitting messages. It seems simple, right? So, think about it why does miscommunication happen? What are the elements in the communication processes that lead to misunderstandings? To understand this, you must first identify and study these elements.

In order to understand what makes communication effective, we need to understand some issues. In groups, answer the questions below. Then, share your findings with the teacher and your classmates.

- 1. What are the three key components of communication? Sender reserver and message
- 2. Other sources mention that along with these three key components, there are other elements essential for communication. What are they?
- 3. There are two basic types of communication: verbal and nonverbal. Can you find examples of each? Suggester answer: Nonvernal – eye contact, body language, latial expressions. Vernal communication by means of words and writing (late to face conversations, e-mails)
- 4 What are the barriers to communication? Give some examples.

TV host in Brazil during the 1970s and 1980s. Not only did he wear funny and colorful clothes, but he also had a lot of famous expressions.







Now that you have learned about the means of communication and how miscommunication occurs, it's time to go back in time and jump into your memories... in this case, the embarrassing ones. Are you ready?



# This is your task:

- use the movie camera on your cell phone to recreate a situation where a miscommunication occurred;
- identify the communication problems in this situation, based on your study of communication elements. Explain to students that they must decide on roles in the group. However, it doesn't mean that they can theigh each other fer the contiviner, this student is in charge of organizing the groups clean, not to write it by himmerself. Tell mem they cannot greate any scenarios.

### How to do it?

- In groups of four, choose a miscommunication situation.
- After choosing, decide on how to organize the tasks in the group: scriptwriter/director, camera operator, and the actors/actresses.
- The film must not be more than 3 minutes long.
- When your presentation is finished, tell your teacher and classmates the communication problems you have identified in the situation that you and your group recorded in the video.

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What

When